

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L32	2	(combin\$4 or merg\$3) with (different or plural\$4 or multip\$6 or several or highe\$3 or greater or increas\$4) near3 (detail or discret\$8 or quantiz\$6 or precision) with (level or degree or position or step) with ("same" or identical or corresponding) near2 (image or area or region or part)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/12 10:33
S1	6	US-4393372-\$.DID. OR US-6028543-\$. DID. OR US-6259804- \$.DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/13 00:48
S2	81342	fingerprint or (finger adj1 print) or finger- print	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/13 14:36
S4	313747	(sensor or detector) with (resolution or dynamic or range or scale)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/13 14:37
S5	4164727	(digitize or digital or discrete or discretize or sample or quantize)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/13 14:38
S6	1387	S2 same S4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/13 14:38
S7	1083	S6 and S5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/13 14:38

S8	29639	(combine or combination or additive or add or addition or combining or adding or integrate or integration or integrating or juxtapos\$5 or overlay \$4 or join or compound\$3 or merg \$3 or synthesize or fuse or fusion or unite or union or consolidat\$4 or incorporat\$4) with (plural\$3 or multipl\$4 or several or various or different) with (digitalization or digitization or digitiz \$4 or discretization or discret\$4 or quantization or quantizing or sampling)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/13 14:51
S9	12322	(combine or combination or additive or add or addition or combining or adding or integrate or integration or integrating or juxtapos\$5 or overlay \$4 or join or compound\$3 or merg \$3 or synthesize or fuse or fusion or unite or union or consolidat\$4 or incorporat\$4) with ((first or initial or preceding or earlier or earliest or original or primary or previous) and (second or subsequent or following or succeeding or additional or further or secondary)) with (digitalization or digitization or digitiz	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/13 14:57

		\$4 or discretization or discret\$4 or quantization or quantizing or sampling)				
S10	37159	S8 or S9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/13 14:57
S11	20	S7 and S10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/13 14:57
S12	1271	noise same S8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/13 16:18
S13	34130	(combine or combination or additive or add or addition or combining or adding or integrate or integration or integrating or juxtapos\$5 or overlay \$4 or join or compound\$3 or merg \$3 or synthesize or fuse or fusion or unite or union or consolidat\$4 or incorporat\$4) with ((first or initial or preceding or earlier or earliest or original or primary or previous) or (second or subsequent or following or succeeding or additional or further or secondary)) with (digitalization or digitization or digitiz \$4 or discretization or discret\$4 or quantization or quantizing or sampling)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/13 16:19

S14	1789	noise same S13	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/13 16:19
S15	2742	S12 or S14	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/13 16:19
S16	396	S4 and S5 and S15	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/13 16:20
S17	4154842	fingerprint or (finger adj1 print) or finger- print or image	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/13 16:20
S18	253	S16 and S17	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/13 16:20
S19	236502	a/d	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/13 16:21
S20	750320	analog and digital	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/13 16:21
S21	838717	S19 or S20	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/13 16:21
S23	577295	(overcome or improv \$3 or enhanc\$4 or expan\$5 or increas\$4 or compensat\$4 or offset\$4 or correct \$4) near3 (dynamic or range or scale or resolution)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/13 16:43
S24	2846740	(clip\$4 or saturat\$4 or noise or snr)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/13 16:44
S26	1349	(combining or averaging) near4 (digitizer or quantizer or capture or sample) with (sensor or detector or device or imager)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/13 17:08

S27	351	S23 and S26	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/13 17:08
S28	194	S27 and S17	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/13 17:09
S29	1358794	(fingerprint or (finger adj1 print) or finger- print or image) with (sensor or detector or device or imager)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/13 17:11
S30	139	S27 and S29	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/13 17:11
S31	1343357	(digitalization or digitization or digitiz \$4 or discretization or discret\$4 or quantization or quantiz\$3 or sampling)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/13 17:28
S32	618843	(combine or combination or additive or add or addition or combining or adding or integrate or integration or integrating or juxtapos\$5 or overlay \$4 or join or compound\$3 or merg \$3 or synthesize or fuse or fusion or unite or union or consolidat\$4 or incorporat\$4 or stitch \$3 or connect\$4 or link\$3) near4 (digitize or digital or discrete or discretize or sample or quantize or digitalization or digitization or digitiz \$4 or discretization or discret\$4 or quantization or quantiz\$3 or sampling)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/13 17:31

S33	11965	(overcome or improv \$3 or enhanc\$4 or expans\$5 or increas\$4 or compensat\$4 or offset\$4 or correct \$4) near3 (dynamic or range or scale or resolution) near3 (sensor or detector or imager or capture)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/13 17:32
S34	2289	S32 and S33	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/13 17:32
S35	397213	(combine or combination or additive or add or addition or combining or adding or integrate or integration or integrating or juxtapos\$5 or overlay \$4 or join or compound\$3 or merg \$3 or synthesize or fuse or fusion or unite or union or consolidat\$4 or incorporat\$4 or stitch \$3 or connect\$4 or link\$3 or average or averaging) near2 (digitize or digital or discrete or discretize or sample or quantize or digitalization or digitization or digitiz \$4 or discretization or discret\$4 or quantization or quantiz\$3 or sampling)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/13 17:33
S36	1523	S34 and S35	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/13 17:34
S37	706	S36 and ((continuous or analog or natural) near2 signal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/13 17:35

S39	443	S37 and (((minimum or min) and (maximum or max)) or saturation or clipping or clipped)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/10/13 17:42
S40	426	S39 not S28	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/10/13 17:43
S45	99	(improv\$3 or enhanc \$4 or expan\$5 or increas\$4 or compensat\$4 or offset \$4 or correct\$4) near2 (dynamic or range or scale or resolution) near2 (quantization or quantizing or discretization or digitizing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/10/13 17:56
S46	37	S35 and S45	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/13 17:56
S47	1051	multiple capture	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/13 18:07
S49	0	S45 and S47	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/10/13 18:07
S50	71	S2 and S47	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/10/13 18:08
S51	27	S4 and S50	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/10/13 18:08

S52	425	S40 not S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/10/13 18:33
S53	40573	(offset or overlap or overlay or adjacent) with S31	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/10/13 18:34
S54	11	S52 and S53	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/10/13 18:34
S55	32828	single (detector or sensor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/10/13 18:44
S56	33998	single (detector or sensor or LSI)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/10/13 18:44
S57	680	S53 and S56	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/10/13 18:44
S58	367241	(combine or combination or additive or add or addition or combining or adding or integrate or integration or integrating or juxtapose or overlay or join or compound or merge or synthesize or fuse or fusion or unite or union or consolidate or incorporate or stitch or connect or	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/13 18:45



		link\$3) near2 (digitize or digital or discrete or discretize or sample or quantize or digitalization or digitization or digitiz \$4 or discretization or discret\$4 or quantization or quantiz\$3 or sampling)				
S59	230	S57 and S58	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/13 18:46
S60	344386	(sensor or detector or LSI) with (resolution or dynamic or range or scale)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/13 18:46
S61	146727	(sensor or detector or LSI) near3 (resolution or dynamic or range or scale)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/13 18:46
S62	114	S59 and S61	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/13 18:46
S63	500493	((analog near2 digital) adj2 (conver \$5 or transform\$6)) or ADC or a/d or (A- to-D) or (A to D)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/15 17:27
S64	3	voltage bin width	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/15 17:27
S65	500493	S63 or S64	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/15 17:28
S67	57414	(resolution or dynamic or range or scale or bit or level) near3 S65	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/15 17:30
S68	2859	((least adj1 significant adj1 bit) or LSB) same S67	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/15 17:31

S69	116618	(intensity or color or ((grey or gray) near2 (level or scale))) with (detail or resolution)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/15 17:32
S71	105	S68 and S69	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/10/15 17:33
S72	4156306	fingerprint or (finger adj1 print) or finger-print or image	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/15 17:34
S73	1094217	(sensor or detector or imager or imaging or capturer) and S72	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/15 17:34
S75	72	S71 and S73	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/10/15 17:36
S76	1669209	(combine or combination or additive or add or addition or combining or adding or integrate or integration or integrating or juxtapos\$5 or overlay \$4 or join or compound\$3 or merg \$3 or synthesize or fuse or fusion or unite or union or consolidat\$4 or incorporat\$4 or stitch \$3 or connect\$4 or link\$3 or average or averaging) near4 (digitize or digital or discrete or discretize or sample or quantize or digitalization or digitization or digitiz \$4 or discretization or discret\$4 or quantization or quantiz\$3 or sampling or level or	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/15 17:37

		voltage)				
S77	61	S75 and S76	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/15 17:38
S78	46360	(combine or combination or additive or add or addition or combining or adding or integrate or integration or integrating or juxtapos\$5 or overlay \$4 or join or compound\$3 or merg \$3 or synthesize or fuse or fusion or unite or union or consolidat\$4 or incorporat\$4 or stitch \$3 or connect\$4 or link\$3 or average or averaging) near2 S63	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/15 17:52
S79	5589	(resolution or dynamic or range or scale or bit or level) with S78	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/15 17:53
S80	5831	(resolution or dynamic or range or scale or bit or level or accuracy) with S78	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/15 17:53
S81	1125	S80 and S73	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/15 17:54
S82	226	S81 and S69	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/15 17:54
S83	212	S82 not S77	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/10/15 17:55

### EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp

L27	88	(discret\$8 or quantiz\$6 or precision) with (level or degree) with "same" with (image or area or region or part).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2011/03/12 10:03
L28	10	(different or plural\$4 or multip\$6 or several or highe\$3 or greater or increas\$4) near3 (discret\$8 or quantiz\$6 or precision) with (level or degree or position) with ("same" or identical or corresponding) near2 (image or area or region or part).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2011/03/12 10:07
L29	27	(different or plural\$4 or multip\$6 or several or highe\$3 or greater or increas\$4) near3 (detail or discret\$8 or quantiz\$6 or precision) with (level or degree or position or step) with ("same" or identical or corresponding) near2 (image or area or region or part).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2011/03/12 10:11
L30	17	29 not 28	US-PGPUB; USPAT; UPAD	ADJ	ON	2011/03/12 10:12
L31	1	(combin\$4 or merg\$3) with (different or plural\$4 or multip\$6 or several or highe\$3 or greater or increas\$4) near3 (detail or discret\$8 or quantiz\$6 or precision) with (level or degree or position or step) with ("same" or identical or corresponding) near2 (image or area or region or part)	US-PGPUB; USPAT; UPAD	ADJ	ON	2011/03/12 10:33

3/ 12/ 2011 11:18:48 AM

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